Sub C1 cont'd

second promoter sequence, said third segment being flanked by said first and second segments, wherein a pair of site-specific recombination sequences are disposed one between said first segment and said third segment and another between said second segment and said third segment, such that said first promoter sequence is operatively coupled with said first transcribable polynucleotide sequence only following excision of said third segment from the expression cassette by site specific recombination via said pair of site-specific recombination sequences;

B1 Cancel

(b) introducing a recombinase into said first plant, so as to excise said third segment thereby operatively adjoining said first transcribable polynucleotide sequence to said first promoter sequence;

(c) selfing a plant resultant from step (b) and selecting progeny which is recombinase minus;

(d) crossing a plant resultant from step (b) and said second plant thereby obtaining an offspring characterized by exogenic allelism.

Twice

49. (Amended) A method of generating exogenic allelism in a plant, the method comprising the steps of:

Sub C2

(a) providing first and second isogenic plants hemizygous or homozygous for an expression cassette comprising:

B2

(i) a first segment comprising a first transcribable polynucleotide sequence, said first transcribable polynucleotide sequence being operatively linked to a first promoter sequence, said first segment being flanked by a pair of first site-specific recombination sequences; and

(ii) a second segment, being linked to said first segment, said second segment comprising a second transcribable polynucleotide sequence, said second transcribable

polynucleotide sequence being operatively linked to a second promoter sequence, said second segment being flanked by a pair of second site-specific recombination sequences;

(b) introducing a first recombinase into said first plant, so as to excise said first segment, and selfing said first plant and selecting progeny which is recombinase minus;

(c) introducing a second recombinase into said second plant, so as to excise said second segment, and selfing said second plant and selecting progeny which is recombinase minus; and

(d) crossing a plant resultant from step (b) with a plant resultant from step (c), so as to generate an offspring characterized by exogenic allelism.

Sub C2 cont'd B2 Cont

Twice

50. (Amended) A plant homozygous for an expression cassette comprising:

(a) a first segment comprising a first promoter sequence;

(b) a second segment comprising a first transcribable polynucleotide sequence; and

(c) a third segment comprising a second transcribable polynucleotide sequence, said second transcribable polynucleotide sequence being operatively linked to a second promoter sequence, said third segment being flanked by said first and second segments, wherein a pair of site-specific recombination sequences are disposed one between said first segment and said third segment and another between said second segment and said third segment, such that said first promoter sequence is operatively coupled with said first transcribable polynucleotide sequence only following excision of said third segment from the expression cassette by site specific recombination via said pair of site-specific recombination

sequences;

said second transcribable sequence being selected such that an expression product thereof activates said first promoter sequence to direct transcription of said first transcribable sequence.

Sub C2 Cont'd

Twice

51. (Amended) A plant homozygous for an expression cassette comprising:

B2 Cont

(a) a first segment comprising a first transcribable polynucleotide sequence, said first transcribable polynucleotide sequence being operatively linked to a first promoter sequence, said first segment being flanked by a pair of first site-specific recombination sequences; and

(b) a second segment, being linked to said first segment, said second segment comprising a second transcribable polynucleotide sequence, said second transcribable polynucleotide sequence being operatively linked to a second promoter sequence, said second segment being flanked by a pair of second site-specific recombination sequences, said second transcribable polynucleotide sequence being selected such that an expression product thereof regulates an expression level of a product of said first transcribable polynucleotide sequence.

Sub C3

Twice

55. (Amended) Plant seeds each of which comprising a genome, said genome comprising a pair of exogenes, wherein a first exogene of said pair of exogenes is located on a first chromosome of a chromosome pair of said genome of the plant seeds, and further wherein a second exogene of said pair of exogenes is located on a second chromosome of said chromosome pair of said genome of the plant seeds, said first and said second exogenes being functionally-hemizygotic and in allelic relationship, such that said first and said

B3